

Town of Harvard Energy Advisory Committee

BRIAN SMITH – CHAIR
 ERIC BROADBENT – VICE CHAIR
 JIM ELKIND
 DAVID FAY
 STEVE MATSON
 CHRIS ROY

ASSOCIATE MEMBERS:
 STUDENT MEMBER:
 LIAISONS:

FORREST HODGKINS
 SOFIA CATALINA
 STU SKLAR, BOARD OF SELECTMEN
 BOB SULLEBARGER, SCHOOL COMMITTEE
 SUSANMARY REDINGER, CAPITAL PLANNING
 DON LUDWIG, FINANCE COMMITTEE

Meeting Minutes 10/22/14

Attendees: B. Smith, E. Broadbent, J. Elkind, D. Fay, S. Matson, C. Roy, S. Catalina

Location: Old Library 8 PM

	Meeting Discussion/Status
Minutes; Membership	The minutes of Sep 24 and Oct 8 were approved 3-0.
Town Energy Project Updates	<ol style="list-style-type: none"> 1. Capital Projects for FY16 – Coordinate with Guardian to scope Bromfield exterior and hall lighting projects, and Hildreth House HVAC and weatherization. Guardian working on these project proposals. All of these projects will be considered for Green Community funds. – The lighting projects were updated below. The Hildreth House project requires a conference call with Guardian and BE Retrofit to review. 2. Library Lighting – Pete Jackson asked for assistance regarding installation of LED bulbs; Brian requested assistance from Mark Force who provided his source (Bulbs.com). We can also set up a NGrid Project Expeditor (e.g. Guardian) to propose a lighting project. Pete will let us know how he wants to proceed. 3. Library VSD Project – At the start of the heating system it was discovered that the settings and controls were not correct for both sets of VFDs and this claim is being reviewed with ATC (installer of the VFDs) and Honeywell (interface with BAS).
Schools	<ol style="list-style-type: none"> 1. Schools Roof Solar – Brightergy Solar – This is a company that focuses on school roof solar PPA projects and has approached Harvard. Brian discussed with Brightergy that audit is limited to solar installation and they will contact Mark Force to coordinate. Bromfield has fairly long life expected on the existing roof. HES is likely to be re-roofed in five years. 2. Peregrine Energy project – Peregrine submitted a proposal on August 12 to analyze electrical circuit monitoring and building management system trend logs and then make recommendations to improve energy performance. This is a one year project with approximately a 3 year payback. – Status- HEAC to present as a capital project for FY16 at School Committee meeting on 10/27/14. 3. Bromfield Exterior Lighting – Guardian proposal received 10/10. Comments discussed and voted unanimously to recommend this project as proposed. HEAC to present as a capital project for FY16 at School Committee meeting on 10/27/14. 4. Bromfield Hallway Lighting Project – Guardian proposal received 10/22. Comments discussed and voted unanimously to recommend this project subject to scope clarifications and verification of assumptions with Guardian. HEAC to present as a capital project for FY16 at School Committee meeting on 10/27/14.
Bromfield School Monitoring	<p>Cadmus Group monitoring of building climate using instrumentation provided by Onset Corporation:</p> <p>Actions</p> <ol style="list-style-type: none"> 1. Install the instruments. – The remainder of the 80 loggers have been installed by the Green Team. 2. Communicate this project to School Committee and the Town. – Sofia provided a draft presentation for HEAC review on 10/10 and then presented at the School Committee meeting on 10/13. The School Committee was excited about the project and the involvement by the Green Team. 3. Communicate to Bromfield Staff - objectives of the effort and follow up to the survey. – Sofia and the Green team will provide a short version of the presentation to Jim O'Shea to provide to the staff.

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Misc Projects	<ol style="list-style-type: none"><li data-bbox="386 478 1430 632">1. Demand Response / Peak Shaving – Peak shaving to reduce the peak load that the electric rate is based on. Demand response to reduce load when needed by the utility for an incentive. Chris Roy will investigate this initiative with National Grid. David will supply recent hourly electric usage reports for review. Determine if we should subscribe to Utility provided usage data.<li data-bbox="386 632 1430 751">2. Electric Vehicle Charging Station – We discussed the DOER incentive program for an electric vehicle (BEV \$7500, Plug-in hybrid \$5000) and Charging Station (\$7500). Eric will create a survey to determine if there is demand and interest in the Town to justify pursuit of this project.<li data-bbox="386 751 1430 842">3. Net Metering Credit Purchase Agreement – HEAC discussed our support to find another agreement after the Soltus termination. Jim is aware of one lead that he will pursue.
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